



zx mushroom club

25 BERRA
WORLD PARK 2125
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TELEX 547000 S.A.

WINDOW ON ANOTHER WORLD

SEPTEMBER 1977

This month is Ladies Month. You may well ask why is that, because not so many ladies work on computers, well, that is just what you think!

Gert is going to be away for the next two months as he told you in last month's Newsletter. The Newsletter has been left in the hands of... guess who, the ladies of the Club! Together myself and Aileen of I.S. have spent COULDAS of time on this Newsletter, just to show the guys that we can also do something worthwhile!

You're probably asking yourself just why I am. Well I am one of the lady students who works at I.S. part-time. I have agreed to do the Newsletter for the next two months, and to show the guys that they must not underestimate us girls! Oh, by the way my name is Anna.

This month the Newsletter takes on a New Look, with Discount Vouchers, lots of pictures, reviews on soft- and hardware and a very special welcome to all our new members. This welcome includes VERY SPECIAL offers which are available to all of our members, both old and new. But, for the new members it will be a special surprise because of the remarkable prices. Well, we hope so!

The Newsletter is not just about selling, there are also exciting competitions, and if you see an article worth publishing, then we will reward you with your efforts with a gift voucher of either £5, £10 or £15.

Well now enough gabbling, lets get on with it!

CLAIM

The following can be typed in, in progress form.

```
OPEN ENV #4,mode1_prog,mode
PRINT #4,"LOAD mode1_programm"
PRINT #4,"LIST"
PRINT #4,"LOAD mode1_programm"
PRINT #4,"STOP"
PRINT #4,"CLOSE #4: OPEN #4,mode,"
CLOSE #4
```

You must have the command "CLOSE #FOPEN #0,0,0" as your last command. This command must be on one line. This is because once you close #0 it does not know where to find the next command, if it is on one line, it loads the line into the execution buffer and it opens #0 before it has to read #0 again.

01/01/2000 00:00:00 01/01/2000 00:00:00

A listing of program should appear and then program should run. This can be done in other ways, but this way isn't a demonstration.

QDOS has a keyword "BIOTime", this word will not like PEEKs. You can use it by just typing what it will list (is an BIOTime). QDOS automatically fills three to eight 0's when a set of bytes that it does not recognize. I have around this keyword when I look out my windows that it is not loading!!!

1000000 4500000 10000000 15000000 20000000

In the chart for the `EXTEND` command, in the Q1 user guide (dependent section), my `EXTEND Q1=120` was blank. This was supposed to be the letter "Q". This mistake may be a misprint in my guide only. If not this tip might help you.

FOR ALL INFORMATION AND CO. ORDERED.

DO YOU HAVE A SPECTRUM WITH A TEL. INTERFACE AND A
 81 4

7/19/18 8:00 PM

USE SUPERIOR READER TO RECOVER CORRUPTED FILES FROM YOUR YAL
SYSTEM.

SIMPLY LOAD SUPER MEDIA POUCHES (AVAILABLE FROM I.B.) INTO YOUR

LOAD THE CORRUPTED SPECTRUM DISK INTO THE HL SYSTEM AND USE THE ROUTINES FROM M.M.R. TO RETRIEVE THE CORRUPTED FILE. VOILA!

11/10/2016 11:58:00 AM

NUMBER OF FIELD PARTICIPANTS	8-20-00	20-00	P=0.1-0.50
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READERS' LETTERS

Contributed by Claf Bacon (Prestoria Sinclair User Group).



PLEASE PLEASE

Claf members, we do realize that we are making life pretty full of hassles by asking you to make applications getting codes and so forth.

Unfortunately, we have yet another request to make of you.

Our neighbours are growing their grass to the verities under changes - a Centronics compatible parallel printer port has been added, fully supported from the new Plus 3 Basic. For the first time the Spectrum can be connected directly to quality printers without special interfaces or non-standard cables.

We have made special parking for you (see outside our property, PLEASE PLEASE, PLEASE park there and REMOOST if you or one of your friends have done so, then I and our neighbours thousands of other Spectrum users would probably be very interested to read of your success, and details of your program in a future newsletter, so please send in your working solutions to ZX WORKROOM CLUB for publishing in newsletters I andia like modifying Basic programs by trying in the commands, while in

Thank you, we appreciate your cooperation in this matter.

The SINCLAIR ZX SPECTRUM PLUS 3 128K was due to be launched by Amstrad mid-July, according to "POPULAR COMPUTERS WEEKLY" dated May 28-June 4 1987. This is the 1987 update of the 1986 Plus 2, which was in turn an enhanced version of the machine which introduced many of us to Sir Ian Sinclair and the modern world of computing, the old favourite 128K rubber key Specter.

The Sinclair ZX Spectrum Plus 3 has been completely redesigned internally. The case is finished in matt black, and is slightly deeper and chunkier than that of the Plus 2. The Plus 3 has a 16-key full-travel professional type keyboard as with the Plus 2, only the major Sinclair Basic functions - LOAD, RUN, CODE - are marked in addition to the QWERTY symbols.

The Amstrad-type 3 inch disc drive now replaces the previous cassette deck which was built in to the Plus 2. This is a single-sided 3 inch device using the 48 track, nine sector, 512 bytes per sector standard Amstrad discs. Total storage is about 1200 per disc. There are the same discs as are used by Amstrad's CPC 6128 and PCW 8256/8512. Commodore Software wrote the disc operating system for the Plus 3, having come to an agreement with Digital Research, the original publisher of the CP/M operating system, to produce a CP/M implementation for the new Spectrum. This will probably mean that data files generated with other CP/M machines, such as the Amstrad PCW, can be read by the Spectrum Plus Three.

The Basic within the machine is essentially a revision of the original Sinclair Basic. Obviously, Sinclair Basic (now Plus 3 Basic) and the Plus 3's operating system had to be revised to take account of the disc system. Chris Jackson says in POPULAR COMPUTING WEEKLY 22 MAY-4 JUNE 1987, that "most old BASIC programs should run without modification."

Did you know that LPRINT and LLIST were sent to the RS232C serial port on the Plus 2 instead of to the normal printer output, when in 128K mode? I hope this is overcome now on the Plus 3. Until I can afford to upgrade again, I find my trusty 48K Spectrum very handy to run the original programs, and to use to send my programs free.

Meanwhile, have you been able to successfully send LLIST or LPRINT out to a parallel printer port, from the Plus 2 in 128K mode? I hope this is overcome now on the Plus 3. Until I can afford to upgrade again, I find my trusty 48K Spectrum very handy to run the original programs, and to use to send my programs free.

Meanwhile, have you been able to successfully send LLIST or LPRINT out to a parallel printer port, from the Plus 2 in 128K mode? I hope this is overcome now on the Plus 3. Until I can afford to upgrade again, I find my trusty 48K Spectrum very handy to run the original programs, and to use to send my programs free.

128K mode, but the 24 pin EPSON/IBM SL-8000 printer which I purchased from INFORMATION ENTERPRISES recently, uses a parallel input. Incidentally, I E. prices are jolly good. There also could you get a 24 pin printer, which is also IBM compatible, for under 1000 Rand."

128K+3 REVIEW

AMSTRAD'S FLAGSHIP

1280-0-1000

It's here at last! Following is the forerunner.....

The Spectrum has been famous almost from the day it was born, and 3 years later its fame has spread worldwide. Millions of Spectrum owners have the reason:

- the combination of good colour,
 - creative sound,
 - and great value for money,
- which has guaranteed an unparalleled range of software (ask I.B. they will tell You!)

The new **128K+3** IS SPECTRUM FLAG 3 128K, (to give the full title!) has a few surprises in store for us. The built-in disc drive means that at last a disc standard for the spectrum will be established.

Speech will now load in seconds and not minutes. Such disc and field were than 3000 of programs and data, more than enough for a fifty thousand word novel! This means that 10000 games - similar to the best of the 65 Commodore 64 disc-based programs will be possible.

The great convenience of this little "beeper" will get you far.

As well as all the extra features, existing Spectrum owners have been thought of as well and not just lost along the way.

- An ordinary Cassetta recorder can be connected to allow full access to the huge software base.

The Flag 3 has also inherited

- Monitor connection RGB
- 4 channel sound
- MIDI Port
- Serial printer interface of the Flag 2 to make it by far the best connected Spectrum yet.

It also has the

- joystick ports (which are now standard)
- second Disc Drive Port
- Expansion I/O Port (full 640 Pins)
- auxiliary interface ports.

COMPATIBILITY WITH OTHER MODELS

Most of the major changes are found in the line outputs at the rear of the machine. A colourable compatible parallel printer port has been added

For the first time the Spectrum can be connected directly to quality printers without special interfaces or non-standard cables.

There are two other I/O differences with previous Spectrums. The first is the video output, this has been altered so that it will no longer drive monochrome monitors, maybe important if you're using a Spectrum for business or educational purposes.

The second change is more significant. The **Edge Connector** has been altered so that the TV line no longer exists. This has been used in the past to drive various peripheral like meters. These will no longer work with the Flag 3. So if you are up-grading, check your add-on specifications - do they use the TV line? they will not work.

Over the next few issues we'll be looking at the issues raised by the Flag 3 such as compatibility with the small number of 128 programs already released and the options for Flag and Flag 2 owners. We'll also be looking at the new basic and ROM in more depth.

Our final verdict - **GOOD, BETTER, BEST.** The new Spectrum Flag 3 is every bit a Spectrum. It comes from a good family and its been made even better. It's the best Spectrum yet:

At our Special Introductory offer of **9999.00**, including the joystick, manual and 4-game disc, the Flag 3 is priced high enough to make the 9999.00 of the Flag 2 still a viable proposition. The Recommended Retail of the Flag 3 is **21 999.00**, our Special price is **9999.00**.

DELIVERY

We invite you to phone Anna, Diana or Mary at I.B. for more information and availability.

Or send a SAE + £1 Postal Order for other reviews and brochures of the new Flag 3.



Special Advertising Rate: \$1000

Special Feature

For all you aspiring Programmers, here is your chance to learn the most widely used Computer programming language in the world, at the unbelievable, unbelievably low price of only \$39.00. This includes a detailed manual, and cassette.

BASIC was developed to make it as easy as possible for people with no previous computer experience to start actually USING their computer!

BASIC has been designed to be a natural starting point for people who want to learn more about computers.

Understanding computers is arguably the most important aspect of the new industrial revolution of microelectronics and high technology - "LEARN BASIC PROGRAMMING ON THE SPECTRUM 128" is THE key to the world of tomorrow!

Phone or come in to I.E.'s office to have a look at this unbelievably great value for money package

LET MOTIVATED and tell your friends.

We have an EXTRA SPECIAL offer for your friends as well!

We have this program also available for your friends with a BBC computer. The special price is also far less and they don't even have to be a member of the club!!!

In our opinion this is a really good package and worth its weight in gold for serious computing addicts. It is very well written, with a fresh and lively text broken up well with exercises, both simple and challenging and has a nice layout. We were very impressed with the standard of content and illustration of it as well. We were also impressed with the straightforward explanation of the methods and feel that something like this is badly needed for the Spectrum.

PROGRAMMING

STANDARD PRICE	\$49.00
SPECIAL PRICE	39.00
SAV	4.00
	35.00
SAV	3.00
	41.00

YOU SAVE THE INCREDIBLE AMOUNT OF \$10.00!!!
WANT TO TELL YOUR FRIENDS OF THIS OFFER?

SPECIAL OFFER ONLY VALID FOR THIS MONTH. SO HURRY AND GET YOUR PACKAGE.

*****STOCKS ARE LIMITED*****

THIS MONTH'S SPECIAL FEATURE IS SPECIALLY FOR SPECTRUM 128 OWNERS. THIS IS YOUR SOFTWARE EXCLUSIVE CORNER FOR THIS MONTH

	Our Price	R.S.P.
Never Ending Story	25.00	29.95
Knight's Tale	12.75	14.95
Galley Thompsons		
Super-Tart	32.00	34.95
The Fowl	51.00	54.95
The Writer	79.00	82.95
The Artist	67.00	72.00
Spellbound	18.00	24.95
Icon Graphics	55.00	60.00
Tessard L&S	82.00	85.95
Scorekeeper	36.00	39.95
Parables, Plans	33.75	36.00
Knightmare	36.00	39.95
Prize of Pagan	34.00	39.95
Stars on the 128	24.00	29.95
Includes		

Watch Day
Never Ending story
Galley Thompsons
Super-Tart
Win At Kings-Pa



Cook

MEMORY EXTENSION

We have noticed that a number of our new members have got 128 Spectrums. Would you like to become one of the Majority? You get out of being with the Minority? Now with the **ALL-IN-ONE-128-Upgrade Kit** you can upgrade your Spectrum from 128 to 448 Kbytes in time at all. This kit comes with full instructions and a detailed diagram of exactly where to fit the new chips and of course all the things that you will need for the upgrade. With your Spectrum no longer being part of the Minority, you will be able to enjoy the THOUSANDS of titles available for the Spectrum, both in Games and Utilities. So before we run out of stock, Order your Upgrade Kit from us for the UNBEATABLE price of only \$99.00, and save yourself the extra cost of having it put in for you, and at the same time you will be able to enjoy all the new advantages that will become available to you!



FLOPPY DISCS 100% GUARANTEED ERROR FREE

Disk available only
in multiples of 10



DISK SPECIAL DISK SPECIAL DISK SPECIAL DISK SPECIAL

You've known VERBATIM disks for years for their unsurpassing quality and error free operation.

I.B. now brings You this famous and reliable diskette at affordable prices and quality discounts.

I.B. purchased these diskettes at a favorable exchange rate so not only will you save on I.B.'s normal lower price but NOW you will also benefit the unwavering exchange rate.

NAME	SIZE	QTY	PRICE	SPECIAL	GST	P+P
VERBATIM	5.25	10	(26.95)	24.50	2.94	1.00
VERBATIM	5.25	20	(49.95)	46.00	5.52	1.20
VERBATIM	5.25	30	(65.50)	64.50	7.74	1.50
VERBATIM	5.25	50	(142.50)	85.00	11.40	2.00

All above are double sided + double density
Fully warranted
Brand
Complete with labels, envelopes and tabs.

NAME	SIZE	QTY	PRICE	SPECIAL	GST	P+P
840F	5.5	10	(84.50)	50.00	7.20	1.20
840F	5.5	20	(120.00)	74.00	13.20	1.40
840F	5.5	30	(143.50)	94.00	17.00	1.60
840F	5.5	50	(322.50)	190.00	38.50	2.00

These are single sided + double density
Fully warranted
Brand Complete with labels

NAME	SIZE	QTY	PRICE	SPECIAL	GST	P+P
840F	5.5	10	(74.00)	74.50	8.94	1.20
840F	5.5	20	(150.00)	143.00	17.10	1.40
840F	5.5	30	(226.00)	242.50	24.30	1.60
840F	5.5	50	(380.00)	349.00	37.10	2.00

These are double sided + double density
Fully warranted
Brand
Complete with labels



REMEMBER - WE HAVE CASSETTE STORAGE BOXES

5.5 STORAGE BOX \$ 27.50 5.50 GST 2.00 P+P

DISKING

THIS MONTH (PROBATIONARY APPROVALS) IS A PLEASANT

TO CASCADIA THIS AND THE POSITIVE RESPONSE OF NEW MEMBERS, AND TO GIVE YOU AN IDEA OF JUST HOW MUCH YOU CAN GET BY ORDERING AT DISCOUNT PRICES, I B IS OFFERING A DISCOUNT OF 10% OFF ALL ORDERS TO MEMBERS WHO ORDER ONLY 10% OFF THE REGULAR PRICE. THIS OFFER IS ONLY AVAILABLE TO NEW MEMBERS WHO ORDER ONLY 10% OFF THE REGULAR PRICE. THIS OFFER IS ONLY AVAILABLE TO NEW MEMBERS WHO ORDER ONLY 10% OFF THE REGULAR PRICE.



3-8 graph

PAGE 4. Section

This program is intended to be a substitution of another program. If so the key named in line 139 should be substituted with a 5x 5 key. The user can take from 1 to 14 turns.

```

1 300 30 graph
2 300 by 300
3 PRINT TAB 13,"3-8 graph"
4 GOTO 100
10 LET A=0:LET B=0:LET C=0:LET D=0
20 INPUT NUMBER OF TURNS (1 TO 14)*:P
30 IF 1=1 OR 1=14 THEN GO TO 20
40 GOTO 1,0
45 INPUT "1-4:NUMBER OF TURNS (1-14)*":P
50 IF 1=1 OR 1=14 THEN GO TO 45
60 PRINT B,0: GOTO 200,0
70 PRINT B,100: GOTO 200,0
80 FOR J=0 TO 30 FOR K=0 TO 30
90 PRINT B,J
100 NEXT K: NEXT J
110 GOTO 40 3,100
120 LET A=0:LET B=0:LET C=0:LET D=0
130 LET 1=0:LET 2=0:LET 3=0
140 GO TO 100
150 IF 1=1 OR 1=14 THEN GO TO 45
160 GOTO 1,0
170 PRINT 5,0: GOTO 200,0: GOTO 200,0
180 PRINT 5,1: GOTO 200,0: GOTO 200,0
190 GOTO 40

```

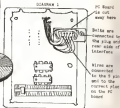


ENHANCED who have a 20 function keyboard and a few Electronic Inter- face, this article is for you! Dariusz of C. Crawford

These people know that the keyboard is higher than the joystick plug. Mr. Crawford made this modification to his interface to allow him to have the interface on the keyboard.

This will require some soldering, some cutting and some wire. Two screws will also be needed, but two nuts and bolts will work better.

THE CLUB ACCEPTS NO LIABILITY FOR THE INFORMATION CONTAINED IN THIS ARTICLE



A hole is cut in the P.C. board and in the rear side of the interface as shown below.

DIAGRAM 2

PC BOARD



DIAGRAM 3

INTERFACE



DIAGRAM 4

FRONT OF INTERFACE



The plug will now be at the rear of the interface and opposite the keyboard.

Talented? Musically Frustrated? Read on...

We have several Music Programs available for the Spectrum. All the programs have been written by professional musicians and programmers and were without any prior knowledge of music you will be able to use these programmes.

Art, music does not only stay at software on your Spectrum,... we have several hardware packages which may be just up your... sleeve!

This hardware allows you to program harmonies, explosions, rags, blues and whistles and an infinite range of other sounds over a full 8 octaves. Hardware also comes with start-to-understand user guide, and cheat tape.

Sound good and adventurous? Well here follows our price list of all our available musical hard and software.

	RRP	Our PRICE
Musik typewriter	37,50	34,99
Musik Master	17,50	14,99
Three Channel Sound Synthesizer		
Spectrum	145,00	119,00
Cyrus Speech & Sound	79,00	67,00
Musik Machine	115,00	105,00
Shannon MIDI Interface	275,00	179,00

Postage on Software £2.50

Postage on Hardware £3.00

WE'VE SAID IT BEFORE AND WE'LL SAY IT AGAIN

I A WILL BEAT ANY PRICE

EVEN THOSE OF OUR COMPETITORS WHO ALSO PROMISE TO BEAT ANY PRICE - I A'S PRICES CAN PUT FROM DAY TO DAY SO IF YOU SEE A BETTER ADVERTISED PRICE FOR SOMETHING IN CLOUTIER THAN OURS DON'T RUN OUT AND BUY IT - MANY PEOPLE HAVE IN THE PAST ONLY TO FIND THAT I A - A PRICE AND BEAT IT IN THE NEXT TIME. THEY REGRETTED IT - MAKE SURE YOU DON'T!

YOU WERE HERE FOR YOUR MONEY - YOU HAVE TO GIVE A LOT OF IT TO THE FAIRER - DON'T TALK ANY OF THE REST AWAY

I A DOES NOT HAVE TO RESORT TO TRICKS TO GET YOUR CUSTOM OUR SPECIAL OFFERS ARE STRAIGHT FORWARD HONEST -

PRIZE OR

WE HAVE YOUR INTEREST AT HEART - WE ONLY WANT WHAT WE CONSIDER TO BE FIRST RATE PRODUCTS



adjoining Sentence



Best Bargains
Price
Verdict

CAN YOU SPOT THE DELICIOUS MIXTURE?

Our Foodstuff has already found it. What a shame!!!! To see just how convenient you are, we will send you with the sought MATHSBOOK Award. This award is the chance to write the whole page of the book letter!

Send in for your prizes now!

PS Ladies don't be good at everything!



© 1984 TRADE PAPER



FIXING PROBLEMS SORTING OUT YOUR WAGES AT THE END OF THE WEEK? WELL, FOR ALL THOSE SMALL BUSINESSMEN WITH THIS PROBLEM, WE CAN HELP YOU.

FAIR AND CONFIDENT WAGES has room for up to 100 employees on a monthly or weekly basis. This program stores the names of your employees, maximum 10 characters and the weekly/monthly rate of pay for that employee. The setup section allows you to change the max. no. of employees (income, deductions, etc.

WAGE PROBLEMS

There is a setup section that allows you to modify the program to suit your payroll requirements.

• Suitable for cassette, microdrive, and 5 1/4 disc interfaces.

• Costs/week breakdown and wages summary.

• Prints payrolls on a 32 or 80 column format suitable for all printers.

NORMAL PRICE 49.95
 CDT 5.00
 54.95

SPECIAL OFFER 29.95
 CDT 3.00
 32.95

2 + 2 3.00
 35.95

NOV SAVE \$11.00
 Offer valid until 10/11/87



SOFTWARE NEWS

800-34-27448 400

Suppliers of Applications and Operational Software for the 80 32 BIT/80486 486 486

IMPORTANT INFORMATION TO ALL MEMBER CLUB MEMBERS:

THE FOLLOWING SOFTWARE IS NOW AVAILABLE EXCLUSIVELY TO ALL MEMBER CLUB MEMBERS AT SPECIALY REDUCED PRICES:

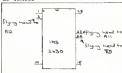
PROGRAM TITLE	FILE TYPE	80 32 BIT/80486 486 486	80486 486 486	80486 486 486
1 THE GENERAL LEADER	APP	100.00	100.00	100.00
2 THE GAME RESEARCHER	APP	100.00	100.00	100.00
3 THE CRYSTAL	APP	100.00	100.00	100.00
4 THE BATTLE	APP	100.00	100.00	100.00
5 THE BATTLE	APP	100.00	100.00	100.00
6 THE BATTLE	APP	100.00	100.00	100.00

EXTENDING 25 25 RAM

25 dynamic RAM inside 25 25

This modification upgrades memory of a 25 25 from 4 K to 8 K bits without using an external memory pack.

Existing memory chips, usually two 254's, are replaced by an 8 K by 8 bit dynamic RAM, the 18000 250 2500 25 25000.



Remove the existing RAM IC or IC's and clear out the holes the 25 pin package, preferably using a desoldering tool. Fit a 25 pin socket to the board and bend pins 3, 12, 13 so that they do not fit in the socket when the 180 2500 is inserted. Finally solder these pins to the circuit board as shown.

From Anton Electronics

card bonanza

For 25 25000 40 5

The exciting card games for the price of one!

memory

Try to beat your score at this favorite card game. Special makes intelligent moves, can you?

patience

This great solitaire card game is for the "game player" card game lovers. Can you complete the sequence WITHOUT shuffling? **Exciting** Card graphics that look like actual cards. Dealer, Board, Rules as given in the "OFFICIAL RULES OF CARD GAMES". With remarks and a quick thinking special at the price of only \$11.95 you will enjoy endless hours of hard thinking! It is available through mail order from the 25 25000 CLUB, the "best price" is as follows: \$11.95 + \$3.95 (gst) + \$5.95 (post) = \$21.85

MOCK STORAGE ON YOUR SPECTRUM

Especially For your
Spectrum 48K
Spectrum 128K
Spectrum 128K+2



Hook up a fast and reliable disk drive to drive to your Spectrum with the following options.

BE THE BUMP OF YOUR FRIENDS AND THEN SURPRISE THE PC PROGRAMMER!!!

5.25" DISK INTERFACE from Technology Research

- Easy to use and works like a Dream, reliable, no-nightmare repair bill!
- Double Density
- Capable of working with 1 - 4 floppy drives
- Works with a 3.5 or 5.4 or 8 inch drive
- Version 4.0 automatically selects drive
- 5.25" 360-CC 80 Track drive gives 60K Storage
- Works with IBM and APPLE drives, and all SPECTRUM compatible drives (see end of article)

PRICE \$399.00
GST 119.99
P&P 3.00



TOTAL \$521.99

5.25" DISK INTERFACE (Q4)

- Plus 512K memory on board
- Plus PRINTER INTERFACE for Parallel Printer
- Compact and fits into the Expansion slot of the Q1
- Other specs are the same as those of the Data Interface for the Spectrum

PRICE \$599.00/each interface including
GST 119.99 Printer interface
P&P 3.00 and 512K memory

TOTAL \$721.99

5.25" DISK INTERFACE (Q4)

- Double Density
- Stores 720K per Diskette
- Other specs are the same as those of the Data Interface for the Spectrum

PRICE \$349.00
GST 44.26
P&P 3.00

TOTAL \$436.26

CIRCULAR DISK INTERFACE version 1.1

- Double Density
- Works with all SPECTRUM compatible drives
- Has computer's "magic" copy button
- Built-in PRINTER INTERFACE
- Built-in JUNCTION INTERFACE
- Works in both 48K and 128K modes
- All for only

PRICE \$375.00
GST 46.25
P&P 3.00



TOTAL \$424.25

ULTIMATE DRIVE

- Side-line
- Double-sided, Double-density 80 Track
- MSX compatible
- Silent motor, and very fast
- Reliable
- Beautifully cases in elegant black case
- On/off switch and Transformer included
- Suitable for 48K,128K,128K+2 and 64

PRICE \$499.00
GST 59.88
P&P 3.00



TOTAL \$561.88

WANT YOU SEE OUR SPECIAL INTRODUCTION OFFER ON THE SPECTRUM 128K+2 IN THE NEXT EDITION OF THE REVOLUTION?

YOU HAD BETTER LOOK QUICKLY AND BOOK THE NEW BEFORE WE RUN OUT OF STOCK AND YOU WILL BE DISAPPOINTED



LOOK

NEW NEWS

LOOK

NEW SOFTWARE ON ORDER FOR THE SPECTRUM

TITLE	TYPE	PRICE	EST	P&P
Lost Mission	Cd	32.99	3.99	1.20
Conway Builder	Se	29.99	3.99	1.20
Armageddon Sea	Se	47.99	5.79	1.50
Yard Master	*S	11.90	1.39	1.20
Wanderlode	Sec	29.99	3.99	1.20
Shadows of Endor	Ad	29.99	3.99	1.20
Conflicts 1	Se	47.99	5.79	1.50
Battle of Britain				
Theatre Europe				
Soundheads	Se	29.99	3.99	1.20
Conflicts 2	Se	49.99	5.99	1.50
Battle for Britain				
One Line				
The Kingsale	A	39.99	4.99	1.20
The Final Battle	Sec	34.99	4.14	1.20

KEY

- Se Strategic Simulation
- Se Scan-on
- Se Adventure
- A Arcade
- Sec Screen scroll
- Se Simulation
- * Budget

TITLE	TYPE	PRICE	EST	P&P
Down to Earth	*A	7.50	.90	1.20
Deathscope	Sec	29.99	3.99	1.20
Pygmy	Sec	29.99	3.99	1.20
Metropolis	A	34.99	4.14	1.20
Thing Humanus Pack	A	29.99	3.99	1.20
Arkensis	A	29.99	3.99	1.20
Army Moves	A	29.99	3.99	1.20
Witch[]	Sec	29.99	3.99	1.20
Leader Board (golf)	Se	29.99	3.99	1.20
Exxon	A	29.99	3.99	1.20
Wonderdog	A	39.99	4.99	1.20
Tai Pan	A	29.99	3.99	1.20
HydroFree	A	29.99	3.99	1.20
Spence	A	29.99	3.99	1.20
Polled until Dead	A	34.99	4.14	1.20

COMPETITION

Complete the following sentence: The most ingenious entrance will get a £15 gift voucher, second prize is £10 and third is £5.

So, lets see what you can come up with!

Crabs on

.....

ARE YOU GOING TO BE DENTIFIED WITH 3 INCHES?

I.E. NOW STORES THE SPECTRUM 128K PLUS 3 WITH ITS BUILT-IN 3.5" 1200 DISK DRIVE. (SEE OUR REVIEW SECTIONS IN THIS MAG)

HOWEVER THERE HAD BEEN A LOT OF OTHER (MOSTLY GOOD) PUBLICITY ABOUT THE NEW SPECTRUM?

YES...

.. SO YOU KNOW HOW FAST IT WORKS?

The drive is reasonably fast and appears to compare well with other home computer systems on the market. The Spectrum Plus 3 with its 128k memory loads most software listed in 3/5 seconds although at this point the only software tested was the games packages supplied FREE with the computer.

Blackie User No 88 of September 1987 writes that the drive performs better than the Commodore 64 and Commodore 128. (You always THOUGHT the Spectrum was better but NOW you KNOW why)

WELL DON'T YOU TRY IT FOR YOURSELF - SEE OUR SPECIAL INTRODUCTORY OFFER ON THE SPECTRUM PLUS 3



SCARAB SYSTEMS

Are you a serious Radio operator using either RTTY or CW? We have a package which will be just up your communication!!?

We have three packages which will certainly interest the serious operator and are designed to run on the spectrum either with or without a communications board.

Suppose getting you? Well lets get on with it!

RTTY: The first is for RTTY reception. Enjoy RTTY reception on the Spectrum. This program enables you to take the growing band of RTTY enthusiasts on HF and VHF. The program requires no additional hardware as the tones are fed from the receiver directly to the I&O socket of the computer. Some of the many features include:

- Printer dump
- 5 Gray levels
- Load and Save screen to tape
- Full screen dump
- Input analysis routine
- Regain screen
- Adjustable border colour
- Long duration of RTTY audio pictures

Available on cassette for ONLY \$22.95

RTTY & CW

This RTTY program is aimed at the serious operator and is designed to run with the Communications Interface board (see below). It is supplied together with the CW program when the interface board is purchased. The program provides the following features:

- Split-screen
- Type ahead buffer
- Breakable real time clock
- 10 Memories
- 7 Memories of RTTY characters
- Callign capture
- Instantaneous To mode
- Shifts on space

The CW program is provided as software support for the RTTY interface. It provides an auto-blanking receive program without which is not in real break-in mode. Features also include:

- special characters w/e, n, etc
- 10 memories
- Real time clock
- Program configuration
- Callign capture

Price only \$22.95

COMMUNICATIONS INTERFACE BOARD

The interface board is designed to enable the Spectrum to receive and transmit data. It is supplied with software for sending and receiving RTTY and CW digital signals. The unit works at 9600 bps and requires the addition of a terminal unit such as the RTTU-1.

Features of the board are:

- Three band filters
- Relay driven FTS output
- Logic high and low LED indication (MARK/SPACE)
- Input/output buffer
- Full documentation
- Multi-turn potentiometer for adjusting baud rates
- Four Cassette interfaces above!

THE BARGAIN PRICE OF ONLY \$155.00.



SPECIAL OFFER ON PRINTER FOR 3 DAYS

UNBELIEVABLE!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
Belkoms, quality PRINTER, NOT
DINKIES, Printer on special-
Daily manufactured for 3 months
by SIKEMOS, TWO HALF LETTER
QUALITY PRINTER IS ABSOLUTE
BARGAIN FOR MONEY.

- \$150
- 100 CPM
- Normal Price MUST BE \$175.00
- Your Price only \$125.00 + GST and Postage

SEPT	OCT
1 2 3 4 5 6 7 8 9 10 11 12	1 2 3 4 5 6 7 8 9 10 11 12
13 14 15 16 17 18 19 20 21 22 23 24	13 14 15 16 17 18 19 20 21 22 23 24
25 26 27 28 29 30 31	25 26 27 28 29 30 31

The Printer is the Belkoms HP 180



SENDING TO SEE THE SHOW FROM OR THE BARGAIN PRICE FOR QUICK DELIVERY OF
OFFER.

COMPUTER CLASSIFIED

25 Microdrive, Interface 1, 5 Cartridges
\$250.00, 20" Screen Programmable Joy-
stick Interface - \$80.00, Cerech Stereo
Speech - \$80.00 - Tel: J888 1000
Boschmiller, 2102871 after hours

For Sale: Amstruc Electronic Programmable Japanese Interface - \$50.00,
CONTACT: Bruce Kael, PO Box 13, West,
Madison, WISCONSIN 53705 INCLUDE
SHIPPING \$10.00

For Sale: Spectrum 48K with keyboard
\$200.00, Multiface 1 \$200.00, Clio
Drive 114K + connection (used)
\$250.00, Software \$200 each, tape-
recorder-Rossbach computer console.
\$500.00, Please Christopher Riley
at 1011108948 after 1700.

1 microdrive \$100.00, 1 Interface 1
\$50.00, 8 used cartridges, Tascam 2
and Multiface \$50.00. All for \$200.00
VIX 1000 Helix Model, brand new \$250.00
with construction. Contact Gary Arroyo
1011111111 from 1000 to 2000

For Sale: Spectrum 48K with Interface 1
\$200.00, 1 8 Microdrives \$50.00 each,
1 8 AM Model \$200.00, 21 8 Microdrive
cartridges \$5.00 each. Various games
and utilities also available. Also
Spectrum 60K & 128K ROM (downsizing)
books. Contact Tony Noddy at 1041
512110 afternoons and evenings.

I have recently purchased an AMSTRUC
CPC 464 from the Club and am very
impressed with the computer.

But, I have great difficulty in get-
ting my books or magazines to be
downloaded with my computer. There are
two books in particular, one is the
British Medical Journal and the other is
the American User, which the Club is
already helping us with the purchase of
each.

Could I also possibly be put in contact
with other Astruc users?

I thank you for your cooperation.

From
1000 Mr T.P. Noddy
PO Box 400
Ceres, Cape
6025

AT LAST! Computers by Post

HAS THE TABERN BEEN GETTING YOU DOWN LATELY?

Has the bank taking their purchases just as much
more expensive for you to leave it until a
later date, and guess what higher prices?

Well I.B. is going to put you out like
Western on top of the world.

Over the next few months we will be moving
to our new factory in Espinosa. One
of the legal requirements for selling
goods in another country is, guess....
\$5 0001111

Yes, you have read correctly, any purchase
that you make from our factory will have an
GST charged on it. We will, however, still
be keeping our showroom at 417 Wigan Street
in Waterlool. and you can go and see our
goods there, but, unfortunately, should you
decide to purchase anything from our Waterlool
branch, then you will have to pay GST.

So for GST savings order through the Post
and you will not have to pay GST.

We have not moved to Northampton yet, but
we will inform you as soon as the move has
been completed.

Sound good? Well, and we certainly will
beat any price.

In our next few issues of the Newsletter,
we will be giving you further details on
how to order and our address. So keep an
eye out for that final announcement, and
remember that Computers by Post will beat
any price. That is INFORMATION SYSTEMS
promise.

**WE RESERVE THE
RIGHT TO LOWER
PRICES WITHOUT
PRIOR NOTICE AND
REFUND THE
DIFFERENCE OR
QUANTITY AT OUR
PREFERENCE.
Please ask for our
Price List for IBM®
PC compatible
systems & add-ons**



ORDER FORM

NAME _____ TEL _____ MEMBER REF. # _____

ADDRESS _____

To INFORMATION ENTERPRISES, PO Box 15444, Maple Park, Ohio

DESCRIPTION	PRICE
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____

PLEASE ASK FOR IT'S CONDITIONS OF SALE

SUBTOTAL \$ _____

15% GST \$ _____

PRICES IN THIS NEWSLETTER VALID UNTIL
31 OCTOBER 1987

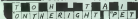
• POSTAGE \$ _____

TOTAL \$ _____

- POSTAGE & PACKAGING All items registered for your protection. Remember to take your ID to the P.D. Insurance \$50 extra per item. (first price in \$)
- in the surface mail, insured for our mail
- SOFTWARE:
 - 1 TAPE (\$1.15 \$1.50) 2 TAPES (\$1.45 \$1.80) 3 OR MORE TAPES (\$1.75 \$2.00) PAGES (\$1.00 \$2.00)
- HARDWARE:
 - INTERFACES (and \$1.00 \$2.00), DISC DRIVE (\$5.00 \$6.00),
 - EXPANSION PAGES (\$1.45 \$2.00), AS PRINTER (\$5.00 \$10.00), TIMER PRINTER (\$1.45 \$2.00), JOYSTICK (\$1.45 \$2.00), MONITOR (\$4.00 \$10.00), GL (\$5.00 \$10.00) SPECIUM - (4 TAPES \$1.45 \$2.00), PARTS MEMORANDUM (\$1.45 \$2.00), ALL OTHER PARTS (\$1.00 \$2.00), KEYBOARD (and \$1.45 \$2.00)

You can have goods freighted - price on application

COMPETITION CORNER



THE FIRST TO GET IT RIGHT WINS



A second competition will which we to suggest a are for our 100 factory is Rochester. The winner of this prize will win a 400 member Car moving out all those break cells. The runner - paid on you.



"The food where the dollars are kept I'll change them for goods!" "What's the exchange rate?"